



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
06.12.2017 Bulletin 2017/49

(51) Int Cl.:
G06T 7/00 (2017.01)

(43) Date of publication A2:
04.09.2013 Bulletin 2013/36

(21) Application number: **13155341.4**

(22) Date of filing: **15.02.2013**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR
Designated Extension States:
BA ME

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(30) Priority: **02.03.2012 US 201213410960**

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(54) **Automatic image alignment**

(57) A method for automatically aligning images includes (a) determining initial correspondent point features between a first image and a second image, (b) creating a triangular meshes for the images from the initial correspondent point features within the images, and (c) refining point correspondence between the first and second images based on affine transformation estimation

using the triangular meshes. The method may also include (d) creating refined triangular meshes for the images from the point correspondence refined in (c), and (e) determining coordinate alignment within the areas of pairs of correspondent triangles in the refined triangular meshes through interpolation of affine transformation on the pairs of correspondent triangles.

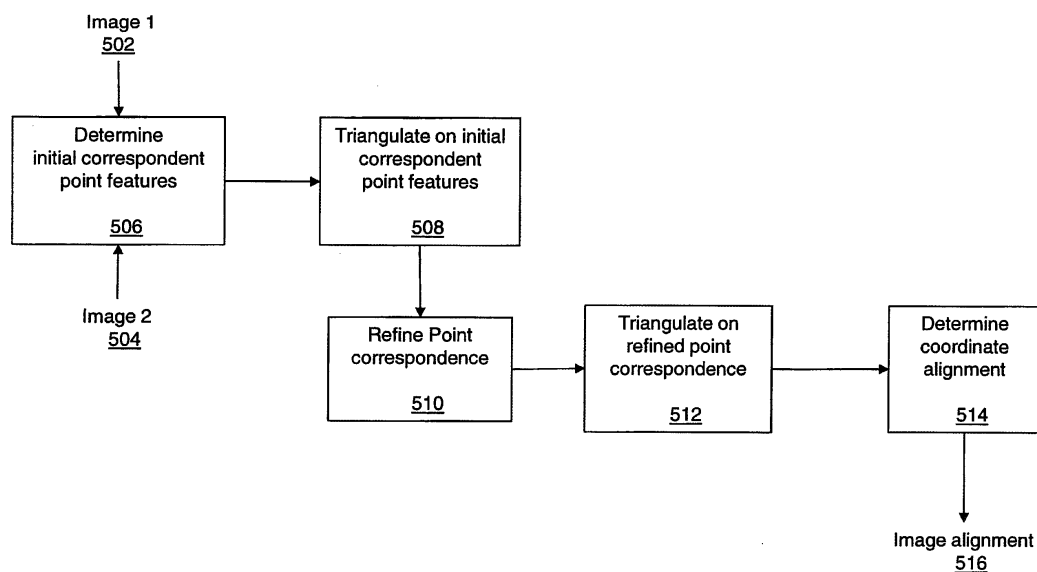


Fig. 5



EUROPEAN SEARCH REPORT

Application Number
EP 13 15 5341

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Place of search Munich		Date of completion of the search 27 October 2017	Examiner Montanari, Marco
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 13 15 5341

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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